CLAIMS

What is claimed is:

1 (1) A brightness adjusting system, comprising:

2

3   a display gradation calculator for calculating the display brightness in a

4   specific area of an image displayed on the screen of a display unit; and

5   a brightness adjuster for adjusting the screen brightness of said display unit

6   according to said display brightness in said specific area, calculated by said

7   display gradation calculator.

1 (2) The system according to Claim 1,

2   wherein said display gradation calculator calculates the display brightness

3   in said specific area by converting the gradation of each RGB element in a

4   draw signal of an image displayed in said specific area to a gray scale

5   gradation.

26

1　　(3.)　A brightness controlling method for controlling the screen brightness of a

2　　　　　　display unit, wherein said method comprises:

3　　　　　　a step of calculating the display brightness in a certain window displayed on

4　　　　　　the screen of said display unit; and　　　.

5　　　　　　a step of adjusting the brightness of the whole screen of said display unit

6　　　　　　according to said calculated display brightness.

1　　(4)　The method according to Claim 3 ,

2
 •

3　　　　　　wherein said method further comprises a step of monitoring the state of

4　　　　　　each window displayed on said screen of said display unit so as to detect a

5　　　　　　focused window on said screen, and

6　　　　　　said step of calculating said display brightness further comprises a step of

7　　　　　　calculating the display brightness in said detected focused window.

1   (5)   The method according to Claim 3,

2   wherein said step of calculating said display brightness further comprises:

3   a step of obtaining gradation information of each RGB element in a color
4   displayed in said window; and

5   a step of converting said obtained gradation of each RGB element to a gray
6   scale gradation so as to decide said converted gray scale gradation as the
7   display brightness in said window.

28